

From: Aquino, Marcos
Sent: Thursday, May 15, 2014 7:33 AM
To: Lee, Matthew T.; Kline, James
Cc: Beers, Samantha; Dressel, Paul; Jimenez, Jose; Katz, Natalie
Subject: Re: (Investigations/Other - FY14-117498-3800-CV) Regional Tip and/or Complaint - Pennsylvania

I echo Matt's comment. Great summary. The dose rate measured was 350 microrem/hr. Dose rates of concern for workers is 2 milirem/hr. Access controls to the site keep public exposures controlled and below limits. Results from sampling will guide DEP actions final disposal of material and further investigation.

Jim, I am tied up with work but I could make time in the late. Afternoon if you want to chat.

Marcos

From: Lee, Matthew T.
Sent: Wednesday, May 14, 2014 3:07:15 PM
To: Kline, James
Cc: Beers, Samantha; Dressel, Paul; Jimenez, Jose; Katz, Natalie; Aquino, Marcos
Subject: RE: (Investigations/Other - FY14-117498-3800-CV) Regional Tip and/or Complaint - Pennsylvania
Thanks, Jim! This is a great update. I will add the contact info into the Tip disposition.

Matthew T. Lee
Environmental Protection Specialist
Office of Enforcement, Compliance and Environmental Justice
U.S. EPA Region III
1650 Arch Street (3EC00)
Philadelphia, PA 19103
(215) 814-2917
Lee.Matthew@epa.gov

From: Kline, James
Sent: Wednesday, May 14, 2014 11:01 AM
To: Lee, Matthew T.
Cc: Beers, Samantha; Dressel, Paul; Jimenez, Jose; Katz, Natalie; Aquino, Marcos
Subject: RE: (Investigations/Other - FY14-117498-3800-CV) Regional Tip and/or Complaint - Pennsylvania
Matt,

I received a return call and spoke with Ms. Barb Bookser today. Barb is from the PA DEP Southwest Regional Office and is the Section Chief of Radioactive Materials and Special Projects. Ms. Bookser stated that Mike Arch, EHS Manager at Range Resources notified her about the roll-off. Ms. Bookser stated that the DEP was on site yesterday and collected samples from the roll-off. Ms. Bookser stated that the DEP has determined the radioactive isotope to be radium 226.

Ms. Bookser stated that the roll off was enclosed and contains about 4 inches of sludge along with 20 inches of water. On-site readings taken from the roll-off were 350 microrem. The roll-off is located at the Carter Impoundment and the entire area is enclosed by a fence.

Ms. Bookser stated that the contents of the roll-off came from weir tanks that were being used at the Carter Impoundment. Ms. Bookser stated that the weir tanks were removed from the location prior to the DEP visit. Ms. Bookser stated that the DEP will conduct surveys of the removed weir tanks. No samples were taken from the weir tanks or the Carter Impoundment.

Ms. Bookser expects results from her sampling within 20 days. Ms. Bookser did not know the current operational status of the Carter Impoundment. When asked, "Will the Carter Impoundment be surveyed or sampled prior to restoration?" Ms. Bookser stated that the DEP Oil and Gas Staff have meters and could check levels and notify her section if they receive high readings.

Ms. Bookser stated that she went over the public exposure limits along with industrial worker exposure limits with Mr. Lauff. She informed Mr. Lauff that the roll-off reading was below those levels. I asked Ms.

Bookser to call me once a survey was completed on the removed weir tanks and to notify me if she received any additional information. I have not yet received a return call from Alan Eichler, PA DEP Oil and Gas.

I will notify Mr. Lauff once I have spoken with Alan Eichler.

Thanks for your help.

Jim

Jim Kline

US EPA Region 3 - Wheeling, WV

Office of Enforcement, Compliance and Environmental Justice

304-234-0263

kline.james@epa.gov

From: lee.matthew@epa.gov [mailto:lee.matthew@epa.gov]

Sent: Monday, May 12, 2014 8:28 AM

To: Kline, James

Subject: FWD: (Investigations/Other - FY14-117498-3800-CV) Regional Tip and/or Complaint - Pennsylvania

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Resources well pad, that is when his wife and son saw it. Mr. Lauff stated that Barb Bookser told him that the radiation reading from the roll-off was 350 microrom. Mr. Lauff did not know

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